

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P828065

Luminaire Tested: **OHBL-30HE-MCL-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P828065  
REPORT IS A COMBINATION OF REPORTS P826120 AND G3-2310-221-10  
Test Lab: INNOVATION CENTER  
Issue Date: 5/3/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: OHBL-30HE-MCL-UNV-L935-CD-UPL15  
Description:  
Light Source: -  
Ballast/Driver: -

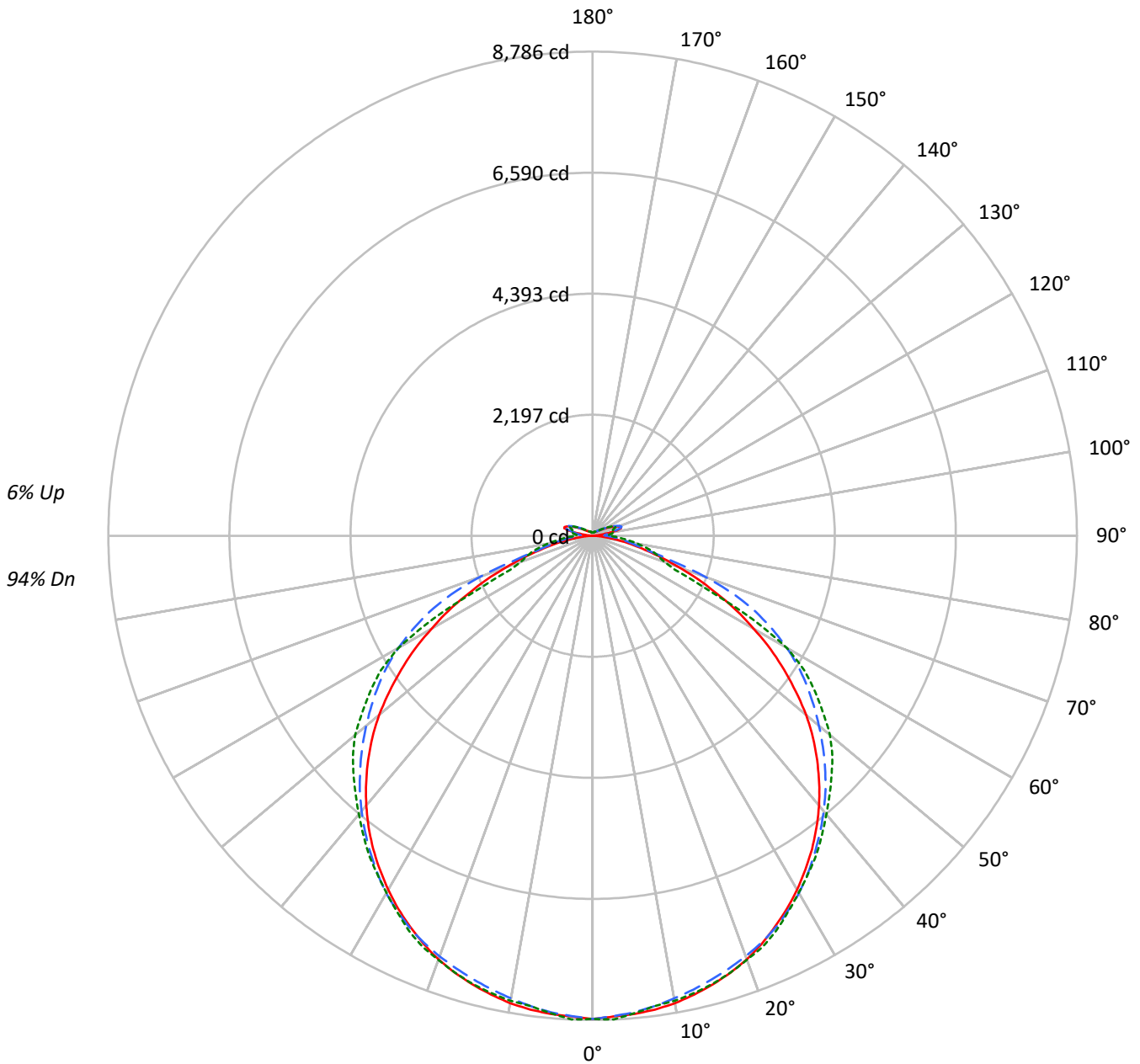
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26047.7 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39  
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 174.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13866	13866	13866
5°	13717	13665	13751
10°	13609	13458	13656
15°	13465	13303	13624
20°	13319	13205	13563
25°	13097	13107	13506
30°	12858	12952	13318
35°	12582	12707	13248
40°	12240	12453	13134
45°	11789	12159	13138
50°	11203	11825	13140
55°	10320	11497	12772
60°	9195	11015	11951
65°	7765	10123	7693
70°	6122	7902	5699
75°	4444	4691	5973
80°	2929	3900	6022
85°	1486	3574	6332



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	826.7	3.2
10°-20°	2370.6	9.1
20°-30°	3620.7	13.9
30°-40°	4393.2	16.9
40°-50°	4604.5	17.7
50°-60°	4172.3	16.0
60°-70°	2797.4	10.7
70°-80°	1256.2	4.8
80°-90°	459.0	1.8
90°-100°	258.6	1.0
100°-110°	485.2	1.9
110°-120°	393.8	1.5
120°-130°	191.3	0.7
130°-140°	99.0	0.4
140°-150°	58.6	0.2
150°-160°	35.5	0.1
160°-170°	19.2	0.1
170°-180°	5.9	0.0
0°-30°	6818.1	26.2
0°-40°	11211.3	43.0
0°-60°	19988.1	76.7
0°-90°	24500.7	94.1
90°-120°	1137.6	4.4
90°-150°	1486.5	5.7
90°-180°	1547.0	5.9
0°-180°	26047.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8768	8768	8768	8768	8768	
5°	8711	8741	8680	8707	8696	828
15°	8428	8395	8336	8409	8419	2380
25°	7830	7795	7850	7922	7899	3609
35°	6940	6956	7027	7102	7074	4338
45°	5759	5853	5962	6114	6133	4437
55°	4238	4442	4745	4935	4924	3783
65°	2487	2876	3266	2756	2250	2478
75°	979	1420	1045	1069	1138	1070
85°	169	323	415	501	525	206
90°	4	126	238	300	317	12
95°	25	127	236	297	321	85
105°	533	549	516	401	379	505
115°	374	379	403	412	407	376
125°	185	196	214	216	216	175
135°	116	120	124	132	134	92
145°	87	90	92	95	96	56
155°	74	76	77	77	77	34
165°	66	66	67	67	67	19
175°	61	61	60	60	60	6
180°	60	60	60	60	60	



TEST NUMBER: P828065

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8767.8	8767.8	8767.8	8767.8	8767.8
2.5°	8732.3	8769.1	8723.4	8772.8	8785.5
5°	8710.8	8741.2	8680.3	8706.9	8695.5
7.5°	8671.4	8681.6	8609.3	8630.8	8608.0
10°	8613.1	8608.0	8523.1	8564.9	8570.0
12.5°	8526.9	8511.7	8435.6	8499.0	8500.2
15°	8428.0	8395.1	8335.5	8409.0	8419.2
17.5°	8313.9	8270.8	8231.5	8326.6	8311.4
20°	8180.8	8130.1	8122.5	8226.4	8188.4
22.5°	8016.0	7976.7	7994.4	8093.3	8069.3
25°	7829.7	7795.4	7849.9	7922.2	7899.3
27.5°	7633.2	7612.8	7675.0	7730.8	7686.4
30°	7417.6	7406.2	7488.6	7534.3	7478.5
32.5°	7183.1	7186.9	7265.5	7327.6	7275.7
35°	6939.7	6956.2	7027.2	7101.9	7074.1
37.5°	6672.2	6708.9	6779.9	6864.9	6835.8
40°	6389.5	6442.8	6521.3	6624.0	6597.4
42.5°	6083.9	6151.2	6252.6	6366.7	6364.1
45°	5759.4	5853.2	5962.2	6114.3	6133.4
47.5°	5422.2	5527.4	5665.6	5868.4	5897.6
50°	5055.8	5187.7	5360.1	5603.5	5621.2
52.5°	4647.6	4827.6	5055.8	5289.1	5267.5
55°	4238.1	4442.2	4745.2	4935.3	4923.9
57.5°	3829.9	4059.3	4427.0	4562.7	4561.3
60°	3373.5	3663.8	4065.7	4168.3	4066.9
62.5°	2951.3	3263.2	3680.3	3605.5	3258.1
65°	2487.3	2876.5	3265.8	2756.1	2250.3
67.5°	2075.3	2481.0	2773.8	1887.7	1616.4
70°	1660.8	2108.2	2162.8	1400.8	1381.8
72.5°	1293.1	1769.8	1492.2	1199.3	1260.2
75°	978.7	1419.9	1044.7	1068.8	1138.4
77.5°	713.8	1090.2	812.7	936.8	993.9
80°	490.6	772.1	663.0	787.3	826.6
82.5°	308.1	509.7	531.2	633.9	674.4
85°	168.6	323.2	414.6	500.8	524.8
87.5°	69.8	195.3	316.9	386.7	406.9
90°	3.8	126.1	238.4	300.4	317.2
92.5°	9.6	105.8	213.2	270.1	287.3
95°	24.6	127.2	236.2	297.1	321.3
97.5°	140.8	209.1	293.0	344.2	364.3
100°	284.7	347.7	351.8	385.9	395.6
102.5°	456.8	472.2	408.7	393.9	392.8
105°	532.6	549.2	515.6	400.8	378.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	433.0	447.8	465.6	462.0	449.6
115°	373.5	378.6	403.4	411.9	406.9
117.5°	321.8	322.7	345.0	351.0	351.8
120°	270.2	274.8	292.1	296.8	297.2
122.5°	225.2	231.8	249.9	253.8	254.2
125°	184.7	196.0	213.7	215.8	216.2
127.5°	160.2	166.0	182.8	186.6	186.2
130°	140.2	145.6	156.9	162.8	162.8
132.5°	127.2	131.8	139.8	145.8	146.6
135°	115.6	120.2	123.9	131.9	134.1
137.5°	108.5	110.2	113.5	120.7	122.8
140°	100.2	102.7	103.9	109.8	111.9
142.5°	93.1	96.0	96.4	101.9	103.2
145°	87.2	90.2	91.8	94.8	96.1
147.5°	84.3	86.0	87.7	87.7	89.8
150°	80.2	81.8	82.7	83.5	83.5
152.5°	76.8	77.7	79.3	79.3	80.2
155°	73.5	75.6	77.2	77.2	76.8
157.5°	71.0	73.1	73.9	74.8	74.8
160°	68.5	70.6	71.4	71.4	72.2
162.5°	68.1	68.9	68.9	69.8	69.8
165°	66.4	66.4	67.2	67.2	67.2
167.5°	64.8	66.1	65.6	65.6	66.4
170°	63.1	63.9	63.9	62.7	63.5
172.5°	62.3	62.3	63.1	61.8	61.8
175°	61.4	61.4	60.2	59.8	59.8
177.5°	61.9	61.4	60.2	58.9	57.7
180°	60.2	60.2	60.2	60.2	60.2



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







107.5°	533.8	552.4	551.2	451.5	393.2
110°	494.3	511.1	521.2	490.1	440.9



(END OF REPORT)